XL1000 Series

cPCI horizontal rackmount chassis family



- Available in 1U, 2U, 3U or 4U, 19inch rackmount chassis
- Intended for rugged and cost effective solutions
- Efficient side-to-side cooling
- 250W Power Supplies (load sharing and hot swappable on the 2U, 3U and 4U)
- PICMG 2.16 support on the 4U
  H.110 support

Kontron's XL1000 series is designed for carrier-grade yet cost effective Telecom, Internet, Military, Test & Measurement, and other embedded applications requiring flexibility and ruggedness in an environment with tight space constraints. The XL1000 series is a high-density platform to house cPCI processor boards, rear I/O boards and hot-pluggable power supplies. It provides maximum cooling and allows modularity, scalability, and is ready for immediate development.

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Specifications
... learn about the tremendous feature set

XL1000 Series

Specifications:

Satandard AC Platform:

Chassis Features
- 2/4/6/8 slots (2x6Ux160mm front and 2x6Ux80mm rear)
- Cooling configured from left to right (right to left optional)
- Top cover is easily removable for service
- EMC and ESD protection
- Front and rear ESD jack
- Painted black finish

Backplane Configuration
- Includes 6U 64-bit/66Mhz CompactPCI monolithic backplane (64-bit/33MHz in 3 & 4U) with integrated power supply backplane.
- 2U, 3U and 4U with H.110 bus on P4.
- Lower slot is master CPU slot, suitable for double slot CPU blades.

Power
- Rear AC single power entry feed with on/off switch, fuse, line filter and ground stud
- AC power cable

Optional DC Platform:
- Optional rear single or dual DC power entry feed, circuit breaker and ground stud(s)
- DC hot-swap power supply options

3U Power Supply:
- Hot swap, N+1 redundant with internal OR-ing diodes
- Power factor corrected AC 90-264V input
- Current sharing on 5 V and 3.3V outputs
- 47 pin connector per PICMG 2.11
- AC - 250W - 5V/40A; 3.3V/40A; +12V/5.5A; -12V/1.5A

XL1100

- 1U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets
- 2-front slots (2x6Ux160mm) and 2-rear slots (2x6Ux 80mm)
- Cooling from left to right (40mm 12V DC (0.32A) fans at 12CFM (21m3/h) each - 4 right and 3 left)
- Theoretical measured airflow from left to right is 281lfm (1.43m/s) per slot

XL1200

- 2U - 19inch rackmount, 300mm (11.811in.) deep with rackmount brackets
- 4-front slots (4x6Ux160mm) and 4-rear slots (4x6Ux80mm)
- Cooling from left to right (80mm 12V DC (0.18A) fans at 44CFM (74m3/h) each 3 right and 2 left)
- Theoretical measured airflow from left to right is 348lfm (1.77m/s) per slot

XL1300

- 3U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets
- 6-front slots (6x6Ux160mm) and 6 rear slots (6x6Ux80mm)
- Cooling from left to right 120mm 12V (0.36A) DC fans at 115CFM (195m3/h) each, 1 left and 1 right plus 1- 80mm 12V DC (0.18A) fan at 44CFM (74m3/h), right)
- Theoretical measured airflow from left to right is 252cfm (1.28m/s) per slot.

XL-ES24 and CP6920: Ethernet Switch Boards (optional)

The XL1400 platform supports one switched fabric board designed to the PICMG 2.16 standard such as the Kontron's XL-ES24 and CP6920 Switches. Those high-performance Managed Layer 2/3 switches feature 24 10/100 Mbps (XL-ES24) or 16 10/100/1000 Mbps (CP6920) Ethernet ports for fast connection speeds.

XL1400

- 4U - 19inch rackmount, 300mm (11.811in.) deep with rackmount brackets
- 8-front slots (8x6Ux160mm) and 8-rear slots (8x6Ux80mm)
- Cooling from left to right (80mm 12V DC (0.18A) fans at 44CFM (74m3/h) each, 6 right and 4 left)
- Theoretical measured airflow from left to right is 267lfm (1.36m/s) per slot.

XL1100



XL1200



XL1300



XL1400



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